GigaSPEED XL® 2071E ETL Verified Category 6 U/UTP Cable

Product Classification

Regional Availability
- Asia
- Australia/New Zealand
- EMEA
- Latin America
- North America

Portfolio
- SYSTIMAX®

Product Type
- Twisted pair cable

Product Brand
- GigaSPEED XL®

General Specifications

Product Number
- 2071E

ANSI/TIA Category
- 6

Cable Component Type
- Horizontal

Cable Type
- U/UTP (unshielded)

Conductor Type, singles
- Solid

Conductors, quantity
- 8

Pairs, quantity
- 4

Separator Type
- Bisector

Transmission Standards
- ANSI/TIA-568.2-D
- CENELEC EN 50288-6-1
- ISO/IEC 11801 Class E

Dimensions

Diameter Over Insulated Conductor
- 1.016 mm  |  0.04 in

Diameter Over Jacket, nominal
- 5.74 mm   |  0.226 in

Jacket Thickness
- 0.559 mm  |  0.022 in

Conductor Gauge, singles
- 23 AWG

Cross Section Drawing
Electrical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>dc Resistance Unbalance, maximum</td>
<td>5 %</td>
</tr>
<tr>
<td>dc Resistance, maximum</td>
<td>7.61 ohms/100 m</td>
</tr>
<tr>
<td>Dielectric Strength, minimum</td>
<td>1500 Vac</td>
</tr>
<tr>
<td>Mutual Capacitance at Frequency</td>
<td>5.6 nF/100 m @ 1 kHz</td>
</tr>
<tr>
<td>Nominal Velocity of Propagation (NVP)</td>
<td>74 %</td>
</tr>
<tr>
<td>Operating Frequency, maximum</td>
<td>300 MHz</td>
</tr>
<tr>
<td>Operating Voltage, maximum</td>
<td>80 V</td>
</tr>
</tbody>
</table>

Remote Powering

Fully complies with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A

Material Specifications

<table>
<thead>
<tr>
<th>Material</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductor Material</td>
<td>Bare copper</td>
</tr>
<tr>
<td>Insulation Material</td>
<td>FEP</td>
</tr>
<tr>
<td>Jacket Material</td>
<td>PVC</td>
</tr>
<tr>
<td>Separator Material</td>
<td>Flame retardant polyolefin</td>
</tr>
</tbody>
</table>

Mechanical Specifications
Environmental Specifications

- **Installation temperature**: 0 °C to +60 °C (+32 °F to +140 °F)
- **Operating Temperature**: -20 °C to +60 °C (-4 °F to +140 °F)
- **Environmental Space**: Plenum
- **Temperature Rating, UL**: 75 °C | 167 °F
- **Flame Test Method**: CMP/FT6
- **Smoke Test Method**: CMP/FT6

Packaging and Weights

- **Cable weight**: 43.157 kg/km | 29 lb/kft